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Personal

Male. Born on August 02, 1987. Baoding City, Hebei Province, P.R.China.

Research Field

- Cooperative games with limited .
- Non-cooperative games.

Education

Ph.D. in Economics, Dept. Econometrics & Operations Research, Tilburg University, Tilburg, Netherlands, 2017.09-present. Supervisors: Prof. dr. A.J.J.(Dolf) Talman and dr. A.B.(Anna) Khmelnitskaya

Ph.D. in Management Science & Engineering, School of Management, Shanghai University, Shanghai, P.R.China, 2014.09-present. Supervisor: Prof. dr. Erfang Shan

M.S. in Operational Research & Cybernetics, Dept. Mathematics, Shanghai University, Shanghai, P.R.China, 2011.09-2011.07. Supervisor: Prof. dr. Donghua Wu

B.S. in Information & Computing Science, School of Mathematics & Computer Science, Jiangxi Science & Technology Normal University, Nanchang, P.R.China, 2007.09-2011.07.

Awards & Scholarships

2016 Joint Training Doctoral Students (*supported by China Scholarship Council (CSC)*)

2016 National Scholarship for Doctoral Students (*achieved at Shanghai University*)

2015 National Scholarship for Doctoral Students (*achieved at Shanghai University*)

2010 National Scholarship (*achieved at Jiangxi Science & Technology Normal University*)

2010 First Prize in Jiangxi Contest District in China Undergraduate Mathematical Contest in Modeling

2010 Third Prize in Third BiZ-WiZ Cup Central China Undergraduate Mathematical Modeling Invitational

2009 Second Prize in Jiangxi Contest District in China Undergraduate Mathematical Contest in Modeling

Conferences, Workshops, Seminars (*Research Presentations*)

2017.09.01-02 Axiomatizations in Game Theory, University of Pécs, Pécs, Hungary.

Title: "Characterizations of the position value for hypergraph communication situations"

2017.07.05-07 13th European (formerly Spain-Italy-Netherlands) Meeting on Game Theory (SING13), Université Paris Dauphine, Paris, France.

Title: "The degree value for games with communication structure"

2017.04.25 University of Twente, Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS), Enschede, The Netherlands.

Title: "The degree value for games with communication structure"

2016.06.17-19 Yangtze River Delta Academic Forum of Operational Research and Cybernetics 2016, East China University of Science and Technology, Shanghai, China.

Title: "Component-wise proportional solutions for communication graph games"

Publications

Journal Publications in English

Zhang G, Shan E, Kang L, Dong Y. 2017. Two efficient values of cooperative games with graph structure based on τ -values, *Journal of Combinatorial Optimization*, 34: 462-482. (SCI, JCR: Q2, Impact Factor: 1.235)

Shan E, **Zhang G**, Dong Y. 2016. Component-wise proportional solutions for communication graph games, *Mathematical Social Sciences*, 82: 22-28. (SCI & SSCI, JCR: Q4, Impact Factor: 0.423)

Journal Publications in Chinese

Shan E, **Zhang G**. 2017. Weighted permission component fairness and permission tree restricted core of permission tree games, *Systems Engineering-Theory & Practice*, 37(7): 1752-1760.

Zhang G, Wu D, Gao J. 2017. Further study on bounded rationality model and well posedness, *Communication on Applied Mathematics & Computation*, 31(1): 72-78.

Zhang G, Wu D, Gao J. 2015. The weakly pseudocontinuous of vector-valued functions and the application in multi-objective games, *Operations Research Transactions*, 19: 92-98.

Zhang G, Wu D, Tang J. 2015. The one-leader-followers games under uncertainty and the stability analysis of ε -equilibrium, *Operations Research and Management Science*, accepted.

Working Paper

Zhang G, Shan E, Wang G. 2016. The degree value for games with communication structures, *International Journal of Game Theory*, revised and resubmitted.

Shan E, **Zhang G**. 2016. Characterizations of the position value for hypergraph communication situations, *Cornell University*, arXiv:1606.00324.